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**THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE
PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:**

1. A molding apparatus including a moving mold for
5 shaping molten plastic into product made within said
moving mold, said moving mold being surrounded by an air
block housing to define a cooling chamber exteriorly
around said moving mold, a source of cooling air, the
cooling air being contained by said housing within said
10 cooling chamber to act on and provide cooling of said
moving mold.
2. Apparatus as claimed in Claim 1 wherein the source
of cooling air comprises at least one cooling air unit.
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3. Apparatus as claimed in Claim 2 wherein said
cooling unit is located internally of said air block
housing.
- 20 4. Molding apparatus as claimed in Claim 3 including
at least one blower for circulating the cooled air within
said cooling chamber.
5. Apparatus as claimed in Claim 2 wherein said
25 cooling unit is located externally of said air block
housing, said apparatus including ducting from said unit
to said air block housing and a blower for moving the
cooled air from said cooling unit through said ducting
into air housing.
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6. Molding apparatus as claimed in Claim 1 wherein
said source of cooling air comprises cooled ambient air
externally of said cooling chamber, said apparatus
including ducting from said housing to the source of
35 cooling air.

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7. Molding apparatus as claimed in Claim 6 including blower means to move the cooling air from said source through said ducting into said cooling chamber.
- 5 8. Apparatus as claimed in Claim 1 wherein said air block housing is insulated to minimize heat loss of the cooling air through said housing.
9. Apparatus as claimed in Claim 8 including access
10 doors through said housing to said moving mold, said access doors also being insulated. . . -
10. Apparatus as claimed in Claim 9 including alarms which indicate opening of said access doors.
- 15 11. Apparatus as claimed in Claim 1 including extruder die tooling feeding into said moving mold at one end of said housing and further including a heater for heating said die tooling to offset effect of the cooling air in
20 said cooling chamber on the die tooling.
12. Apparatus as claimed in Claim 1 wherein said moving mold comprises a pipe corrugator.
- 25 13. Apparatus as claimed in Claim 1 wherein said moving mold travels in a vertical direction through said cooling chamber.
14. Apparatus as claimed in Claim 1 wherein said
30 moving mold travels in a horizontal direction through said cooling chamber.
15. Apparatus as claimed in Claim 1 including a product cooler downstream of said air block housing, said
35 product cooler being inline with and receiving the plastic product from said moving mold and comprising a

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cooler housing around the product, and a heat exchanger within said cooler housing, said heat exchanger in said cooler housing providing cooled air which is trapped within the cooler housing to act on the product after the product is released from the moving mold.

16. Apparatus as claimed in Claim 1 including a plurality of heat exchangers located within said cooling chamber, said plurality of heat exchangers including first and second heat exchangers located to opposite sides of said moving mold.

17. Apparatus as claimed in Claim 1 wherein said moving mold comprises mold block sections which move in a downstream direction through said cooling chamber in a closed mold block configuration and which move upstream of said cooling chamber in an open mold block section configuration, said apparatus including first and second heat exchangers located to first and second sides of said moving mold and directed at said mold block sections in the closed mold block configuration, and further including third and fourth heat exchangers to third and fourth sides of said moving mold and directed at said mold block sections in the open mold block section configuration.